

IMPROVEMENT TO RADIATION DIVERSITY ANTENNAS

The present invention relates to a radiation diversity antenna consisting of radiating elements of the slot-line type coupled electromagnetically to a feed line, in which the radiating elements (1,2,3,4,5,1a,1b) have a tree structure, each radiating element having a length equal to $k\lambda_s/2$ where k is an identical or different integer from one element to the next and λ_s is the guided wavelength in the slot-line constituting the radiating element with at least one radiating element comprising a switching means (d1,d2,d3,d4,d'1) positioned in the slot-line constituting the said radiating element in such a way as to control the coupling between the said radiating element and the feed line (6) as a function of a command.

The invention applies chiefly to wireless transmissions.

Fig. 1